

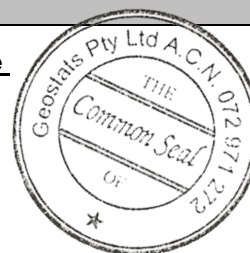
GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Geochem Base Metal Reference Material Product Code

GBM906-8

Certified Control Values



GBM906-8

Geostats Pty Ltd, Certified Geochem Base Metal Reference Material, Product Code:

Element	Grade	Standard Deviation	Num of Analyses	Confidence Interval
Nickel (ppm)	5491	342	56	+/- 92.4
Copper (ppm)	250	23	68	+/- 5.5
Zinc (ppm)	57	8	61	+/- 2.1
Lead (ppm)	7	6	31	+/- 2.1
Arsenic (ppm)	5	nr	nr	nr
Cobalt (ppm)	159	17	57	+/- 4.6
Silver (ppm)	0.6	nr	nr	nr

CRM Details

<u>Control Statistic Details</u> Control statistics were produced from results accumulated in the October-2006 round robin. The number of results used to certify each analyte is shown in the table above.	<u>Neutron Activation Analysis Results (ppm, unless otherwise noted)</u>		<u>Major Elements by Fusion / XRF (%)</u>	
	<u>Material Description</u> This material is described as a Nickel Sulphide Ore.	Antimony	0.314	Fe
<u>Colour Designation (ISCC-NBS, SP440)</u> This material is medium light gray in colour.	Arsenic	4.59	SiO ₂	nr
<u>Usage</u> This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.	Barium	<16.4	Al ₂ O ₃	nr
<u>Preparation and Packaging</u> All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry material is then pulverised to better than 75 micron (nominal mean of 45 micron) using an air classifier. The material is then homogenised and stored in a sealed, stable container ready for final packaging. Materials are statistically sampled from stores, then packaged into either heat sealed, air tight, plastic pulp packets or screw top sealed plastic containers ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.	Bromine	6.74	TiO ₂	nr
<u>Assay Testwork</u> All standards are tested thoroughly in the Geostats bi-annual laboratory survey. This involves assaying by multiple laboratories from around the world. Results are compiled into a comprehensive report detailing statistics for each standard. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.	Cadmium	nr	MnO	nr
<u>Stability</u> This product remains stable in its original packaging, away from direct sunlight.	Caesium	0.623	CaO	nr
<u>Material Safety</u> This product is not hazardous and non-toxic.	Calcium (%)	nr	P	nr
	Cerium	<3.12	S	nr
	Chromium	574	MgO	nr
	Cobalt	175	K ₂ O	nr
	Europium	<0.225	Na ₂ O	nr
	Gold (ppb)	12.2	LOI1000	nr
	Hafnium	<0.407		
	Iridium (ppb)	<9.77	Neutron Activation Analyses and Fusion / XRF Analyses are single results and are indicative only. These are provided for matrix identification purposes.	
	Iron (%)	9.85	'nr': Not Reported	
	Lanthanum	0.241		
	Lutetium	<0.0267		
	Mercury	nr		
	Molybdenum	<0.587		
	Neodymium	<9.02		
	Nickel	5700		
	Potassium (%)	nr		
	Rubidium	<2.79		
	Samarium	0.111		
	Scandium	5.46		
	Selenium	<0.935		
	Silver	0.5		
	Sodium (%)	0.202		
	Strontium	<13.5		
	Tantalum	<0.0665		
	Tellurium	nr		
	Terbium	<0.0752		
	Thorium	<0.0935		
	Tin	<59.2		
	Tungsten	0.303		
	Uranium	<0.0648		
	Ytterbium	<0.184		
	Zinc	52.1		
	Zirconium	nr		

20 Hines Road, O'Connor, Western Australia 6163

Phone : +61 8 9314 2566, Fax : +61 8 9314 3699

e-mail : pjh@geostats.com.au, srr@geostats.com.au

Website <http://www.geostats.com.au>